



Standards *Actions*

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSM) will provide selected reviewers with copies for comment. If you wish to comment on a particular document, please notify your TSM. DOE documents sent for coordination during the past month are given below.

- *Radiological Control*, SAFT-0039, (Judith Foulke, EH-52, 301-903-5865, Judy.Foulke@hq.doe.gov); comments due May 23, 1997.

DOE Standards and Other Documents

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-487-4650 or FAX 703-321-8547.

The Technical Standards Program is sponsoring a project at OSTI to place *all* DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) on the Internet. To date, 111 DOE technical standards have been placed on the Internet at the address shown at the bottom of this page.

The following DOE technical standard has recently been placed on the Internet:

- DOE-STD-3015-97, *Nuclear Explosive Safety Study Process*, January 1997.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI.

For information on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Bethany Marks at 212-642-4948. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Technical Standards Program

Document Status as of 1/29/97

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	59	18	0

Total in cess = 77

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications,

standards developing organizations, and additional information about submitting comments.

The following American National Standards are currently in coordination:

- ASME QFO-1, *Certification of High Capacity Fossil Fuel Fired Plant Operators* (new standard); comments due February 18, 1997.
- ASME Y14.100M, *Engineering Drawing Practices* (new standard); comments due February 18, 1997.
- CABO A117.1, *Accessible and Usable Buildings and Facilities* (revision of ANSI/CABO A117.1-1992); comments due February 18, 1997.
- UL 218, *Standard for Safety for Fire Pump Controllers* (new standard); comments due February 18, 1997.
- UL 448, *Standard for Safety for Pumps for Fire-Protection Service* (revision of ANSI/UL 448-1985); comments due February 18, 1997.
- UL 1424, *Standard for Safety for Cables for Power-Limited Fire-Alarm Circuits* (new standard); comments due February 18, 1997.
- UL 1821, *Standard for Safety for Thermoplastic Sprinkler Pipe and Fittings for Fire Protection Service* (new standard); comments due February 18, 1997.



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

The following international standards are currently in coordination (comment due dates follow each entry):

- ISO/DIS 3675, *Crude petroleum and liquid petroleum products - Laboratory determination of density - Hydrometer method* (revision of ISO 3675: 1993) - February 14, 1997.
- ISO/DIS 14935, *Petroleum and related products - Determination of wick flame persistence of fire-resistant fluids* - February 14, 1997.
- prEN 461, *Specification for dedicated liquefied petroleum gas appliances - Flueless non-domestic space heaters not exceeding 10 kW* (for information).
- prEN 837-2, *Pressure gauges - Part 2: Selection and installation recommendations for pressure gauges* (for information).
- prEN 993-7, *Methods of test for dense shaped refractory products - Part 7: Determination of modules of rupture at elevated temperatures* - April 7, 1997.
- prEN 1263-1, *Safety nets - Part 1: Safety requirements, test methods* (for information).
- prEN 1329-2, *Plastics piping systems for soil and waste discharge (low and high temperature) within the building structure - Unplasticized poly(vinyl chloride) (PVC-U) - Part 2: Assessment of conformity* - April 7, 1997.
- prEN 1330-9, *Non-destructive testing - Terminology - Part 9: Definition of terms in acoustic emission* - April 7, 1997.
- prEN 1366-8, *Fire resistance tests for service installations in buildings - Part 8: Smoke extraction ducts* - March 24, 1997.
- prEN 1634-3, *Fire testing of door and shutter assemblies - Part 3: Smoke control doors and shutters* - March 24, 1997.
- prEN ISO 9972, *Thermal insulation - Determination of building airtightness - Fan pressurization method (ISO 9972: 1996)* - March 24, 1997.
- prEN 10272, *Stainless steel bars for pressure purposes* - April 7, 1997.
- prEN 11127-1, *Preparation of steel substrates before application of paints and related products - Test methods for non-metallic blast-cleaning abrasives - Part 1: Sampling (ISO 11127-1: 1993)* - March 30, 1997.
- prEN 12255-10, *Wastewater treatment plants - Part 10: Safety principles for the construction of wastewater treatment plants* - April 7, 1997.
- prEN 12597, *Petroleum products - Bitumen and bituminous binders - Terminology* - March 24, 1997.
- prEN 12607-1, *Petroleum products - Bitumen and bituminous binders - Determination of the resistance to hardening under influence of heat and air - Part 1: RTOF method* - March 24, 1997.
- prEN 12613-1, *Plastics warning devices for underground cables and pipelines - Specification - Part 1: Warning devices with visual characteristics (Type A)* - March 24, 1997.
- prEN 12619, *Stationary source emissions - Determination of the mass concentration of total gaseous organic carbon at low concentrations in flue gases - Continuous flame ionization detector method* - March 24, 1997.
- prENV 1805-1, *Data communication for HVAC application management net - Part 1: Building automation and control network (BACnet/m)* (for information).

The following newly published international standards are available from ANSI:

- IEC 50(393): 1996, *International Electrotechnical Vocabulary - Chapter 393: Nuclear instrumentation: Physical phenomena and basic concepts*.
- IEC 1559: 1996, *Radiation in nuclear facilities - Centralized system for continuous monitoring of radiation and/or levels of radioactivity*.
- ISO 6251: 1996, *Liquefied petroleum gases - Corrosiveness to copper - Copper strip test*.
- IEC 1773: 1996, *Overhead lines - Testing of foundations for structures*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). ASTM is developing a World Wide Web home page. The current version can be visited at <http://www.astm.org>. The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:
(the due date for all items is February 10, 1997).

- C 71-96a, *Terminology Relating to Refractories* (revised standard).
- New Standard, *Guide for In-Situ Burning of Oil Spills on Water: Environmental and Operational Considerations* (Ref. Z5596Z).
- New Standard, *Guide for Estimating Oil Spill Recovery System Effectiveness* (Ref. Z6423Z).

The following newly published standards are available from ASTM:

- A 234/A 234M-96b, *Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and Elevated Temperatures* (revised standard).
- A 955-96, *Specification for Deformed and Plain Stainless Steel Bars for Concrete Reinforcement* (new standard).
- C 133-96, *Test Method for Cold Crushing Strength and Modulus of Rupture of Refractories* (revised standard).
- C 1029-96, *Specification for Spray-Applied Rigid Cellular Polyurethane Thermal Insulation* (revised standard).
- C 1133-96, *Test Method for Nondestructive Assay of Special Nuclear Material in Low Density Scrap and Waste by Segmented Passive Gamma-Ray Scanning* (revised standard).
- C 1342-96, *Practice for Flux Fusion Sample Dissolution* (new standard).

- C 1343-96, *Test Method for the Determination of Low Concentrations of Uranium in Oils and Organic Liquids by X-Ray Fluorescence* (new standard).
- C 1348-96, *Specification for Blended Uranium Oxides with a 235 U Content of Less Than 5% for Direct Hydrogen Reduction to Nuclear Grade Uranium Dioxide* (new standard).
- D 92-96, *Test Method for Flash and Fire Points by Cleveland Open Cup* (revised standard).
- D 1903-96, *Test Method for Coefficient of Thermal Expansion of Electrical Insulating Liquids of Petroleum Origin, and Askarels* (revised standard).
- D 4092-96, *Terminology Relating to Dynamic Mechanical Measurements on Plastics* (revised standard).
- D 4579-96, *Practice for Handling an Acid Degreaser or Still* (revised standard).
- D 5951-96, *Practice for Preparing Residual Solids Obtained After Biodegradability Standard, Methods for Plastics in Solid Waste for Toxicity and Compost Quality Testing* (new standard).
- D 5985-96, *Test Method for Pour Point of Petroleum Products (Rotational Method)* (new standard).
- D 5997-96, *Test Method for On-Line Monitoring of Total Carbon, Inorganic Carbon and Organic Carbon in Water by Ultraviolet, Persulfate Oxidation, and Membrane Conductivity Detection* (new standard).
- E 331-96, *Test Method for Water Penetration of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference* (revised standard).
- E 585/E 585M-96, *Specification for Sheathed Base-Metal Thermocouple Materials* (revised standard).
- E 1321-96, *Test Method for Determining Material Ignition and Flame Spread Properties* (revised standard).
- E 1825-96, *Guide for Evaluation of Exterior Building Wall Materials, Products, and Systems* (new standard).

National Fire Protection Association

The National Fire Protection Association (NFPA) is introducing a new monthly publication, the *Codes and Standards News*. The publication includes calls for proposals, the availability of reports on proposals, committee announcements, notification of Tentative Interim Amendments (TIAs), a calendar of upcoming meetings, and other items. Orders for subscriptions may be submitted to *Codes and Standards News*, National Fire Protection Association, One Batterymarch Park, Quincy, Massachusetts 02269-9101. The publication is also offered on the Internet at <http://www.wpi.edu/Academics/Depts/Fire/Nfpa/products/CSN/menu.html>. For membership and other information, contact the NFPA Home Page at http://www.wpi.edu/Academics/Depts/Fire/Nfpa/nfpa_home.html. Inquiries of a general nature can be forwarded to the NFPA Codes and Standards Administration Division, NFPA, One Batterymarch Park, P.O. Box 9101, Quincy, MA 02269-9101. The following listings are extracted from *Codes and Standards News*, and are representative of NGS development activities that may be relevant to DOE operations; see the published version of *Codes and Standards News* for details.

Proposed Tentative Interim Amendments:

The following TIAs have been proposed to NFPA. They are being published for public review and comment. Comments should be filed with the Secretary, Standards Council, by February 21, 1997.

- NFPA 30-1996, *Flammable and Combustible Liquids Code*, TIA Log No. 512, Reference: 4-8.2.
- NFPA 72-1996, *National Fire Alarm Code*, TIA Log No. 510, Reference: Table B-2.2.2.1(a).
- NFPA 8506-1995, *Standard on Heat Recovery Steam Generators*, TIA Log No. 511, Reference: 7-4.2.2.

Issued Tentative Interim Amendments:

- NFPA 10-1994, *Portable Fire Extinguishers*, Reference: 2-3.2, TIA 94-1 (NFPA 10).
- NFPA 72-1996, *National Fire Alarm Code*, Reference: 2-2.3.3, TIA 96-1 (NFPA 72).

Committees Seeking New Members:

The NFPA committees listed below are seeking new members to assist in their standards development activities. The activities of these committees may be relevant to DOE operations. Interested individuals should contact NFPA directly to obtain more information.

- The Committee on Classification and Properties of Hazardous Chemicals is seeking members in the fire service category. The Committee is responsible for NFPA 49, *Hazardous Chemicals Data*; NFPA 325, *Guide to Fire Hazard Properties of Flammable Liquids, Gases, and Volatile Solids*; NFPA 491M, *Manual of Hazardous Chemical Reactions*; and NFPA 704, *Standard System for the Identification of the Hazards of Materials for Emergency Response*.
- The Committee on Exposure Protection is seeking members in all interest categories except Special Experts. The Committee is responsible for NFPA 80A, *Recommended Practice for Protection of Buildings from Exterior Fire Exposures*.
- The Committee on Hazardous Materials Protective Clothing and Equipment is seeking members in the following interest categories: User, Enforcer, Labor, and Consumer. The Committee is responsible for NFPA 991, *Standard on Vapor-Protective Suits for Hazardous Chemical Emergencies*; NFPA 1992, *Standard on Liquid Splash-Protective Suits for Hazardous Chemical Emergencies*; and NFPA 1993, *Standard on Support Function Protective Clothing for Hazardous Chemical Operations*.
- The Committee on Liquefied Natural Gas is seeking members in all interest categories. The Committee is responsible for NFPA 59A, *Standard for the Production, Storage, and Handling of Liquefied Natural Gas (LNG)*.
- The Committee on LP-Gases at Utility Gas Plants is seeking members in all interest categories. The Committee is responsible for NFPA 59, *Liquefied Petroleum Gases at Utility Gas Plants*.

Committees Soliciting Proposals:

Selected NFPA committees are now accepting proposals for recommendations on content on the documents listed below. The listings were extracted from *Codes and Standards News*, and are representative of activities that may be relevant to DOE operations. The closing date follows each listing. Proposals must be submitted to Standards Administration Division, NFPA Standards Council, on proposal forms available from the NFPA Standards Administration Office. For more information, see *Codes and Standards News*.

- NFPA 30-1996, *Flammable and Combustible Liquids Code*, 8/1/97.
- NFPA 110-1996, *Emergency and Standby Power Systems*, 7/18/97.
- NFPA 111-1996, *Stored Electrical Energy Emergency and Standby Power Systems*, 7/18/97.
- NFPA 1141-1990, *Fire Protection in Planned Building Groups*, 3/1/97.
- NFPA 1993-1994, *Support Function Protective Clothing for Hazardous Chemical Operations*, 6/27/97.
- NFPA 1470-1994, *Search and Rescue Training for Structural Collapse Incidents*, 7/18/97.
- NFPA 1991-1994, *Vapor-Protective Suits for Hazardous Chemical Emergencies*, 6/27/97.
- NFPA 1992-1994, *Liquid Splash-Protective Suits for Hazardous Chemical Emergencies*, 6/27/97.

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers

Office: 345 East 47th Street
New York, NY 10017

Contact: Brian Biddinger

- ASME B89.3.6, *Gaging and Fixturing for Geometric Tolerancing* (new standard).

National Association of Architectural Metal Manufacturers

Office: 8 South Michigan Avenue, Suite 1000
Chicago, IL 60603

Contact: Edward R. Estes, Jr.

- NAAMM HMMA 801, *Glossary of Terms for Hollow Metal Doors and Frames* (new standard).

Comments or Questions

If you have any questions or comments, please contact Rick Serbu (EH-31), Manager, DOE Technical Standards Program Office (TSPO), phone 301-903-2856, FAX 301-903-6172, Email **Richard.Serbu@eh.doe.gov**. Questions or comments may also be referred to Don Spellman, c/o Performance Assurance Project Office, Oak Ridge National Laboratory, P.O. Box 2009, Oak Ridge, Tennessee 37831-8065, phone 423-574-7891, FAX 423-574-0382, Email **spellmandj@ornl.gov**.

The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email **lj8@ornl.gov**.



Standards *Actions*

United States Department of Energy

Office of Scientific and Technical Information

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